SUMMARY OF VOLUNTEER HERRING COUNTS, CAPE COD, 2007 - 2018 Updated 2/15/19

Association to Preserve Cape Cod (APCC) and Massachusetts Bays National Estuary Program, Cape Cod Region (MassBays)

Notes: Estimated run size is calculated by the Massachusetts Division of Marine Fisheries using "Visual Count" software. "NA" means not available.

Boldface indicates highest run size

Run Name	Town	Marine water body	Year	# Fish Counted	# of Observations	Estimated Run Size	Plus/Minus	Peak 10 Min Count	Date of Peak Count	Water temperature at Peak 10-minute count	First fish counted	Water temperature when first fish counted	Date when last fish counted	Water temperature when last fish counted	Peak Water Temp	Towns, Organizations & Partners	No. Volunteers
Stony Brook	Brewster	Cape Cod Bay	2007	2,588	437	22,348	1,275	157	5/14/07	20.0	4/22/07	13.0	6/1/07	23.0	25.00	Town of Brewster	20
			2008	1,907	255	25,289	2,938	233	4/25/08	18.0	4/17/08	12.0	5/29/08	20.0	23.00	APCC, MassBays	21
			2009	1,002	233	11,062	1,185	95	4/29/09	18.0	4/16/09	9.0	5/29/09	19.0	21.00		24
			2010	8,576	539	48,099	2,172	317	5/16/10	18.0	4/6/10	14.0	5/25/10	25.0	25.00		22
			2011	3,019	287	37,091	1,185	136	4/30/11	17.0	4/7/11	10.0	6/1/11	21.0	25.00		17
			2012	3,050	174	41,028	3,047	225	4/18/12	17.0	3/23/12	15.0	5/25/12	20.0	23.00		14
			2013	9,732	177	153,262	32,004	584	4/30/13	18.0	4/14/13	11.0	5/26/13	16.0	28.00		13
			2014	26,572	301	**271,363**	16,516	481	5/13/14	18.0	4/21/14	14.0	6/7/14	22.0	22.00		15
			2015	19,462	235	251,530	17,110	519	5/8/15	17.0	4/14/15	11.0	6/20/15	19.0	26.00		13
			2016	4,331	158	88,703	15,560	193	5/1/16	13.0	3/26/16	13.0	5/26/16	23.0	23.00		10
			2017	879	141	20,328	4,706	55	4/30/17	17.0	4/11/17	11.0	5/29/17	17.0	23.00		10
			2018	10,264	271	131,851	16,853	432	5/9/18	19.5	4/24/18	12.5	6/11/18	18.0	24.00		11
Stillwater Pond	Chatham	Pleasant Bay	2016	570	264	11,969	13,723	245	5/4/16	12.5	3/26/16	NA	5/21/16	20.0	22.00	Town of Chatham	12
(RC-1)			2017	74	153	1,645	3,421	21	5/12/17	16.0	4/21/17	12.5	5/12/17	16.0	23.50	APCC, MassBays	1
			2018	3,048	257	**31,582**	15,853	625	5/1/18	13.5	3/31/18		5/18/18	15.0	17.00		8
Lovers Lake	Chatham	Pleasant Bay	2016	312	128	7,310	45,646	97	5/11/16	17.0	3/22/16	20.0	5/22/16	19.0	20.00		7
(RC-2)			2017														
			2018	520	121	2,083	1,439	30	4/29/18	NA	4/28/18	NA	5/19/18	NA	16.00		6
Bound Brook	Dennis	Cape Cod Bay	2012	1,209	84	34,580	5,711	142	4/23/12	15.0	4/5/12	12.0	5/12/12	19.0	20.00	Town of Dennis	8
			2013	1,661	124	33,486	11,534	177	4/26/13	18.0	4/13/13	10.0	5/14/13	17.0	21.00	APCC, MassBays	11
			2014	593	82	16,117	3,150	170	4/22/14	15.0	4/21/14	15.0	5/24/14	18.0	22.00	Dennis Land Trust	10
			2015	2,088	176	25,817	7,093	157	5/6/15	15.0	4/22/15	12.0	5/20/15	19.0	15.00		25
			2016	55	111	1,453	893	13	5/10/16	22.0	4/22/16	20.0	5/26/16	20.0			12
			2017	21	17	NA	NA	18	4/27/17	16.0	4/27/17	16.0	5/3/17	15.0	20.00		2
			2018	7,874	220	**127,387**	27,334	431	5/16/18	18.0	4/25/18	13.0	5/24/18	20.0	23.00		16
Scargo Lake	Dennis	Cape Cod Bay	2015	119	17	NA	NA	75	5/31/15	20.0	5/25/15	18.0	5/31/15	20.0	22.00	Town of Dennis	7
			2016	0	76	NA	NA	0	NA	NA	NA	NA	NA	NA	21.00	APCC, MassBays	15
			2017													Dennis Cons. Trust	
			2018	38	86	NA	NA	13	4/29/18	14.0	4/26/18	13.0	5/15/18	17.0	22.00		8
Bridge Pond	Eastham	Cape Cod Bay	2014	749	295	8,188	2,081	61	5/15/14	18.0	4/14/14	12.0	5/15/14	18.0	20.00	Eastham Herring Monitors	21
(aka Herring Brook)			2015	461	368	3,204	1,238	116	5/9/15	10.0	4/19/15	11.0	5/19/15	19.0	21.5	Town of Eastham	28
			2016	153	284	1,932	304	20	4/21/16	10.0	3/25/16	13.0	5/18/16	13.0	19	APCC, MassBays	27
			2017	355	289	4,849	2,293	53	4/26/17	11.0	4/14/17	13.0	5/20/17	14.0	22		25
			2018	1,068	246	**12,716**	3,850	79	5/4/18	16.0	4/1/18	9.0	5/16/18	16.0	20		20
Herring Pond	Eastham	Cape Cod Bay	2016	35	291	378	596	15	4/22/16	15.7	4/8/16	8.0	5/11/16	12.0	20	Same as above	25
			2017	15	241	344	334	9	4/29/17	14.0	4/27/17	12.0	5/10/17	12.0	21		23
			2018	249	246	**3,310**	1,231	27	5/4/18	15.0	4/13/18	8.0	5/15/18	18.0	20		19
Coonamessett River	Falmouth	Vineyard Sound	2005 (1)	37	110	NA	NA	5	5/2/05	10.0	4/18/05	10.0	5/18/05	11.0	15		
			2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
			2007 (2)	1,127	82	NA	NA	171	5/9/07	12.2	4/23/07	10.0	5/15/07	12.2	13.00		
(1) 5-minute counts at night from 7 to 10 PM.			2008 (2)	3,057	102	NA	NA	409	5/7/08	15.0	4/17/08	na	5/15/08	12.8	16.00		
(2): 0.5-hour blocks, one 10-minute count in each, 7 to 10 PM.			2009 (2)	4,290	111	NA	NA	1,300	4/28/09	16.0	4/19/09	10.0	5/18/09	12.0	16.00		
(3): Four 5-min counts/hour, 7 to 10 PM			2010 (3)	1,599	239	NA	NA	213	5/2/10	17.0	4/19/10	12.0	5/15/10	17.0	18.00		
(4): Three 10-min counts/hour, 7 to 10 PM, & ad hoc daytime			2011 (3)	855	342	NA	NA	118	4/29/11	16.0	4/12/11	11.0	5/11/11	11.0	16.00		
(5): Three 10-min counts/hour from 7 to 10 PM,			2012 (3)	2,338	277	NA	NA	275	4/23/12	10.0	4/11/12	10.0	5/19/12	16.0	18.00	Coonamessett R. Trust	
& ad hoc daytime counts			2013)3)	9,104	323	NA	NA	776	4/28/13	12.5	4/14/13	11.0	5/12/13	15.0	15.00		
			2014 (4)	21,295	329	NA	NA	2,800	5/11/14	16.0	4/13/14	12.0	5/24/14	15.0	20.00		
Systematic night time counts exceed ad hoc daytime counts by a			2015 (5)	11,365	669	74,595	20,323	738	5/7/15	17.0	4/16/15	12.0	5/25/15	18.0	25.00	Town of Falmouth	
factor of 3 to 5. Most fish migrate at night.			2016 (5)	6,354	521	**81,317**	41,698	834	4/29/16	13.0	4/19/16	14.0	5/30/16	21.0	24.00	APCC, MassBays	
			2017 (5)	4,469	571	42,211	16,338	583	5/18/17	18.0	4/12/17	15.0	5/29/17	13.0	22.00		
			2018 (5)	3,180	507	31,948	5,204	145	5/21/18	15.0	4/17/18	8.0	6/3/18	17.0	19		24
Herring River	Harwich	Nantucket Sound	2009	2,088	396	19,336	1,935	161	4/27/09	15.0	4/11/09	8.5	5/31/09	18.0	21.00	Harwich Conservation	48
			2010	4,821	487	41,254	4,966	315	5/3/10	16.0	4/2/10	11.0	5/26/10	23.0	23.00	Trust	NA
			2011	1,122	486	10,466	1,162	103	4/26/11	14.0	4/11/11	9.0	5/27/11	20.0	24.00	Town of Harwich	NA
			2012	10,844	488	101,624	14,248	506	4/25/12	16.0	3/24/12	12.0	5/29/12	22.0	24.00	APCC, MassBays	9
			2013	9,155	350	91,167	18,735	500	5/11/13	16.0	3/31/13	8.0	5/15/13	20.0	20.00		9
			2014	26,725	482	**247,894**	23,671	672	4/23/14	12.0	4/6/14	5.0	5/31/14	16.0	20.00		30
			2015	14,740	496	127,860	12,801	396	5/5/15	14.0	4/2/15	5.0	5/31/15	20.0	23.00		72
			2016	6,589	478	63,349	19,476	595	5/8/16	11.0	4/19/16	10.5	6/1/16	22.0			59
			2017	1,348	472	11,980	3,157	87	4/29/17	14.0	4/11/17	8.0	6/1/17	18.0	26.00		60
			2018	5,489	498	47,698	12,232	305	5/4/18	14.0	4/10/18	20.0	5/31/18	20.0	20.00	800,000 (electronic counter)	82
Mashpee River	Mashpee	Nantucket Sound	2011	7,047	231	114,988	19,626	660	5/7/11	21.0	4/1/11	5.0	5/29/11	20.0	25.00	Town of Mashpee	17
			2012	13,969	193	226,754	59,520	2,090	5/13/12	17.0	3/21/12	10.0	5/27/12	22.0	22.50	APCC, MassBays	10
			2013	6,339	60	225,448	22,337	616	4/21/13	12.0	4/1/13	8.0	5/4/13	14.0	18.00		9
			2014	11,532	107	341,458		1,544	5/12/14	16.0	4/4/14	5.0	5/23/14	18.0	18.00		8
			2015	5,989	94	206,863	179,654	1,025	5/11/15	20.0	4/9/15	5.0	5/29/15	18.5	22.00		8
			2016	780	88	26,196	70,042	175	4/28/16	14.0	4/8/16	12.0	6/29/16	24.0	25.00		5
			2017	5,280	131	107,190	70,106	1,720	5/17/17	16.0	4/2/17	5.0	5/24/17	18.0	19.00		12
			2018	8,796	111	**372,996**	85,939	1,029	5/21/18	15.0	2/18/18	5.0	6/15/18	19.0	19.00		11
Quashnet River	Mashpee	Nantucket Sound	2011	482	64	NA	NA	128	5/13/11	14.0	4/6/11	10.0	5/20/11	18.0	18.00	Town of Mashpee	5
			2012	2,409	131	NA	NA	412	5/15/12	18.0	3/23/12	15.0	5/22/12	18.0	22.00	APCC, MassBays	10
			2013	2,233	178	37,453	12,534	176	5/11/13	17.0	4/10/13	8.0	5/27/13	17.0	23.00		11
			2014	1,905	139	**40,854**	12,447	194	5/13/14	16.0	4/1/14	10.0	5/26/14	18.0	21.00		9
			2015	468	132	14,256	5,147	102	5/10/15	21.0	4/15/15	9.0	5/27/15	18.0	21.00		9
			2016	248	131	11,875	4,436	40	5/14/16	16.0	4/16/16	10.0	5/20/16	16.0	21.00		10
			2017	223	220	8,252	4,470	38	5/9/17	15.0	4/15/17	13.5	5/25/17	17.5	19.00		10
			2018	889	57	NA	NA	317	5/16/18	17.0	4/19/18	7.0	5/23/18	20.0	27.00		4
Santuit River	Mashpee	Nantucket Sound	2012	3,503	34	**143,262**	13,605	863	4/17/12	19.0	3/23/12	15.0	5/5/12	14.0	19.00	Town of Mashpee	3
			2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	APCC, MassBays	
			2014	646	97	20,620	4,333	59	5/12/14	18.0	4/6/14	9.0	5/18/14	19.0	19.00		8
			2015	4,248	107	119,182	30,058	367	5/8/15	20.0	4/14/15	12.0	5/28/15	20.0	23.00		6
			2016	970	76	41,256	11,662	160	5/11/16	15.0	4/3/16	10.0	5/26/16	21.0	23.50		5
			2017	1,107	100	40,122	10,117	133	4/27/17	14.0	4/10/17	9.0	5/22/17	17.0	21.00		8
			2018	1,102	58	NA	NA	296	4/18/18	9.0	4/14/18	10.0	5/22/18	18.0	22.00		5
Pilgrim Lake	Orleans	Pleasant Bay	2008	158	439	1,647		35	4/23/08	20.0	4/5/08	8.0	5/19/08	18.0	24.00	Shellfish & Waterways	41
			2009	108	517	1,090		26	4/22/09	12.0	4/11/09	10.0	5/13/09	16.0	24.00	Committee	66
			2010	182	477	1,461		70	4/29/10	14.0	4/8/10	16.0	5/4/10	20.0	26.00	Town of Orleans	NA
			2011	104	481	1,370	318	32	5/5/11	16.0	4/6/11	11.0	5/26/11	21.0	26.00	APCC, MassBays	78+
			2012	551	497	5,931	1,371	64	4/16/12	20.0	3/26/12	11.0	5/25/12	20.5	26.00		78+
			2013	313	477	3,001	1,175						5/31/13				67
			2014	370	449	4,202	2,534										
			2015	420	420	4,245											
			2016	1,539		19,648	4,216						5/31/16				
			2017	2,885	446	27,551	8,016	187	4/13/17		4/6/17	6 to 8	5/31/17	14 to 17			
			2018	2,654	472	**28,135**					4/1/18	7 to 10	5/25/18	17 to 23			60+
Mill Creek	Sandwich	Cape Cod Bay	2011	16	111	NA	NA	3	5/25/11	18.0	4/3/11	9.5	5/25/11	18.0	22.00	Town of Sandwich	9
			2012	361	39	8,756	1,078	77	4/7/12	10.0	4/3/12	8.0	5/15/12	20.0	20.00	APCC, MassBays	8
			2013	37	8	NA	NA	21	5/20/13	19.0	5/7/13	19.0	6/6/13	22.0	22.00		2
			2014	NA	8	NA	NA	NA	4/9/12	NA	NA	NA	NA	NA	NA		
			2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
			2016	430	13	NA	NA	200	5/11/16	17.0	4/16/16	9.0	5/14/16	20.0	20.00		2
			2017	395	93	20,215	5,137	29	4/14/17	13.0	4/4/17	7.0	6/2/17	17.0	21.00		2
			2018	510	96	**22,711**	6,097	75	4/26/18	16.0	4/6/18	6 to 8	6/3/18	22.0	24.00		2
Upper Shawme Pond	Sandwich	Cape Cod Bay	2011	0	23	NA	NA	0	NA	NA	NA	NA	NA	NA	17.00	Town of Sandwich	6
electronic counter			2012	1	25	**4,089**	NA	1	4/24/12	15.0	4/24/12	15.0	4/24/12	15.0	22.00	APCC, MassBays	1
Herring River	Wellfleet	Cape Cod Bay	2009	1,663	235	21,870	3,976	131	4/18/09	11.0	4/7/09	9.5	5/25/09	20.0	20.00	Friends of Herring River	18
			2010	744	265	12,052	1,595	61	4/7/10	14.5	4/4/10	13.0	5/30/10	23.0	24.00	Town of Wellfleet	
			2011	564	222	9,534	1,640	111	4/27/11	16.0	4/10/11	10.5	5/23/11	8.0	24.00	APCC, MassBays	20
			2012	1,192	466	11,653	4,179	122	4/9/12	13.0	3/9/12	10.0	5/24/12	20.0	22.00		32
			2013	2,035	383	24,985	11,813	220	4/26/13	11.5	4/6/13	7.0	5/26/13	16.0	23.00		23
			2014	4,903	323	**61,781**	7,556	320	4/14/14	12.5	4/9/14	8.5	5/26/14	19.0	22.00		26
			2015	1,480	293	18,025	6,207	208	4/26/15	12.0	4/11/15	8.0	5/25/15	17.0	24.00		22
			2016	1,379	347	12,874	4,505	143	4/22/16	13.0	3/18/16		5/24/16	20.0	23.00		32
			2017	673	279	8,044	5,385	177	4/11/17	12.5	4/7/17	7.0	5/18/17	22.0	22.00		30
			2018	2,426	304	27,083	11,440	288	4/29/18	14.0	4/11/18	9.0	5/30/18	18.0	24.00		25
Tom Mathews Pond	Yarmouth	Cape Cod Bay	2014	5,925	248	**70,169**	8,674	178	5/15/14	22.0	4/18/14	3.0	5/27/14	20.0		Bass R. Rod & Gun Club	13
			2015	2,706	141	52,742	9,589	174	5/7/15	20.0	4/4/15	10.0	5/22/15	18.0	24	APCC, MassBays	5
			2016	1,139	137	25,872	6,003	76	4/19/16	14.0	4/14/17	10.0	5/28/16	22.0	23.00		5
			2017	34	93	826	724	8	5/1/17	17.0	4/17/17	19.0	5/2/17	16.0	23.00		4
			2018	32	144	966	819	13	5/12/18	17.0	5/4/18	20.0	5/16/18	19.0	24.00		7
Long Pond	Yarmouth	Nantucket Sound	2016	917	420	**9,270**	1,513	56	4/19/16	15.0	3/12/16	10.0	5/21/16	21.0	25	Town of Yarmouth	21
			2017	222	271	2,805	1,347	45	4/11/17	11.0	3/13/17	13.0	5/21/17	20.0	24	Cape Cod Salties	23
			2018	1	107	13	NA	1	4/23/18	13.0	4/23/18	13.0	4/23/18	13.0	21	APCC, MassBays	18
Trunk River	Falmouth	Vineyard Sound	2012	4,158	65	NA		141	4/21/12		3/15/12	NA	5/19/12		NA	Trunk River Volunteers	
																Marstons Mills R. Watershed Assoc.	
Marstons Mills R.	Barnstable	Nantucket Sound	2006	719	378	6,302		NA	4/15/06		4/12/06	NA	5/14/06		NA	(MMRWA)	
			2007	1,741	378	13,862		NA	5/3/07		4/20/07	NA	5/17/07		NA		
			2008	5,232	342	42,404		NA	4/20/08		4/10/08	NA	5/16/08		NA		
			2009	1,332	225	10,668		NA	4/27/09		4/19/09	NA	5/10/09		NA		
			2010	478	270	3,944		NA	4/5/10		4/4/10	NA	5/3/10		NA		
			2011	53	189	428		NA	4/17/11		4/17/11	NA	5/19/11		NA	Three Bays	
			2012	10,327	479	**87,308**										Preservation	
			2013			56,987											
			2014		391	47,006											
			2015	8,892	540	23,840		NA	4/17/15		3/21/15	NA	5/19/15		NA		
			2016			13,954										Barnstable Clean	
			2017			36,148										Water Coalition	
			2018	1,567	474	10,306	1,139	49	5/3/18	17.5	4/12/18	14.0	5/17/18	14.0	23	APCC, MassBays	
Discontinued count programs:																	
Red Lily Pond	BA	Nantucket Sound	2013	42	190	913	651	12	5/7/13	20.0	4/9/13	11.5	5/7/13	20.0	26.00	Red Lily Pond Project	6
			2014	17	35	NA	NA	11	4/22/14	12.0	4/22/14	12.0	5/25/14	20.0	20.00	APCC, MassBays	2
			2015	7	22	NA	NA	2	5/4/15	26.0	5/4/15	26.0	5/23/15	19.0	26.00		1
Red Brook	BO	Buzzards Bay	2011	50	38	NA	NA	22	4/6/11	NA	4/6/11	NA	5/2/11	15.0	21.00	APCC, MassBays	3
			2012	3	30	NA	NA	1	4/28/12	14.0	4/28/12	14.0	5/17/12	16.0	21.00		1
Cedar Lake	FA	Buzzards Bay	2011	249	116	9,399	1,485	59	4/14/11	12.5	4/9/11	9.0	5/18/11	17.0	20.00	APCC, MassBays	6
			2012	12	30	NA	NA	11	4/26/12	11.0	4/15/12	15.0	4/26/12	14.0	20.00		1
			2013	317	54	13,422	18,478	84	5/8/13	18.0	4/12/13	12.0	5/16/13	16.0	21.00		3
			2014	121	50	NA	NA	66	5/6/14	13.0	4/9/14	9.0	5/14/14	15.5	19.00		3
			2015	883	165	**16,163**	8,974	129	5/19/15	18.0	4/15/15	10.0	5/23/15	19.0	22.00		4
			2016	242	191	12,953	7,089	75	5/19/16	17.5	4/8/16	11.0	5/26/16	22.0			14
Note: 2017 run size is from electronic counter			2017	299	42	*4,256*	NA	87	5/24/17	22.0	4/28/17	20.0	5/24/17	22.0	24.00		3